

## Energy Resources – 2021 IGCSE 0625

1. [Nov/2021/QPaper\\_11,12,13,21,22&23/No.8](#)

Electrical energy may be obtained from nuclear fission.

In which order is the energy transferred in this process?

- A nuclear fuel → generator → reactor and boiler → turbines
- B nuclear fuel → generator → turbines → reactor and boiler
- C nuclear fuel → reactor and boiler → generator → turbines
- D nuclear fuel → reactor and boiler → turbines → generator

2. [Nov/2021/QPaper\\_23/No.9](#)

Which energy resource has the Sun as its only source of energy?

- A geothermal
- B nuclear
- C oil
- D tidal

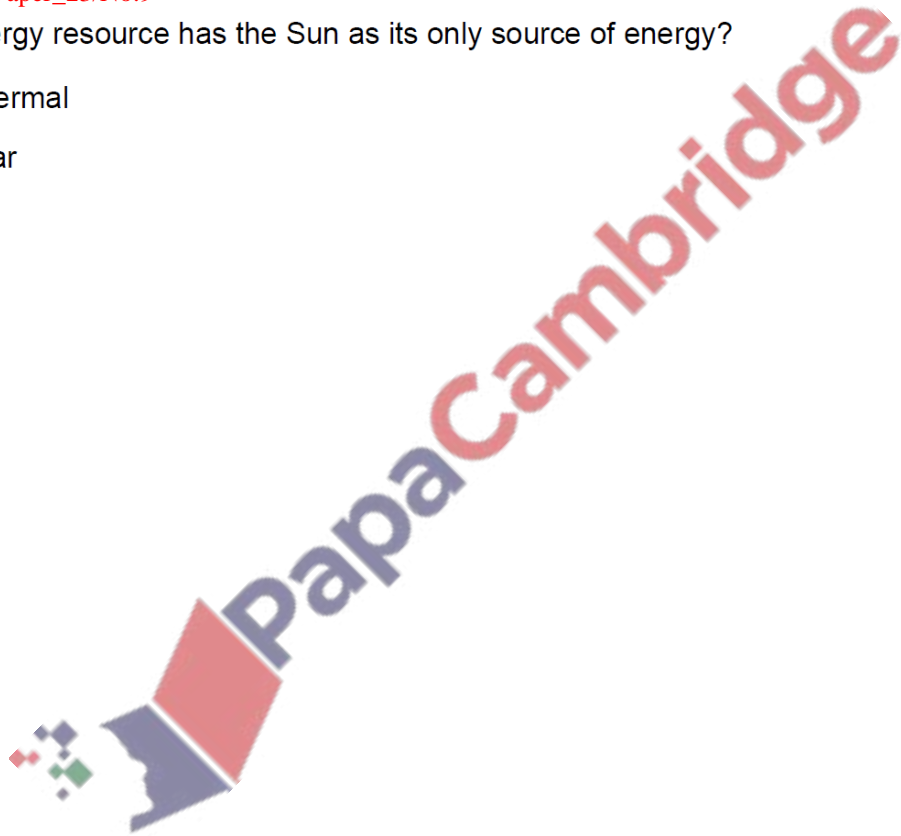


Fig. 8.1 shows a simplified diagram of a geothermal power station.

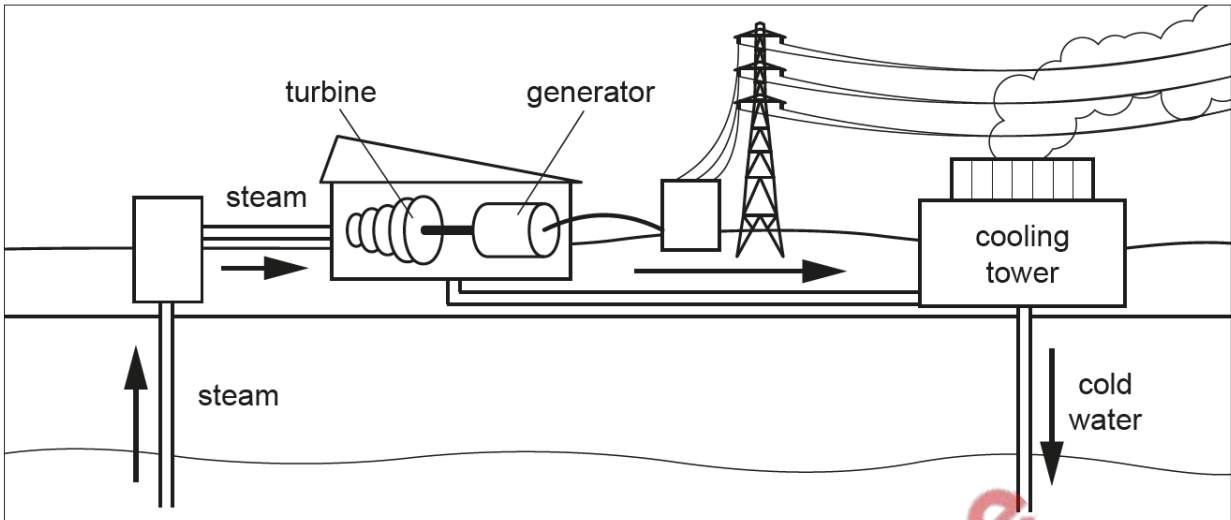


Fig. 8.1

(a) (i) State the energy source for a geothermal power station. .... [1]

(ii) Complete the sentence about useful energy transfer in the power station.

The generator converts ..... energy into ..... energy. [2]

(b) (i) State **two** advantages of a geothermal power station compared to a coal-fired power station.

1 .....

2 ..... [2]

(ii) State **one** disadvantage of using geothermal energy rather than coal in a power station.

..... [1]

[Total: 6]

(a) A power station uses wind energy to generate electricity.

State and explain whether this method of generating electricity is renewable.

statement .....

explanation .....

.....

[2]

(b) State **two** energy resources that do **not** have the Sun as their source.

1 .....

2 .....

[2]

(c) For each energy resource, state the form of energy stored in:

fossil fuels .....

water behind hydroelectric dams. ....

[2]

[Total: 6]

